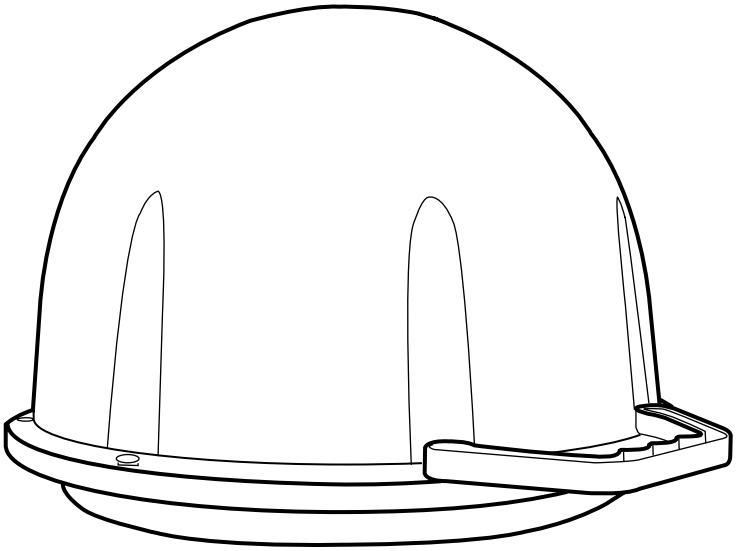
WINEGARD®

OPERATION MANUAL

Made in the U.S.A.

Carryout®
Automatic Portable
Satellite TV Antenna
Model GM-1518



PRODUCT REGISTRATION
Please register your Winegard product by filling out and returning the Product Registration card provided or by completing the online registration form at **http://www.winegard.com/registration**

Serial No.

Winegard Company • 3000 Kirkwood St. • Burlington, IA 52601-2000
800/788-4417 • FAX 319/758-5854 • www.winegard.com
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Welcome:

Congratulations!
You have selected the Winegard Carryout® antenna, your solution for Automatic Portable Satellite TV Programming. The Carryout antenna is a fully automatic satellite antenna that you can easily take anywhere from tailgating at a ball game to a picnic, all in a painless 13.5 lbs. package. The Carryout is designed for use with DISH Network®, BELL TV and DIRECTV® satellite programming providers. This manual provides important information on the assembly, setup and operation of your Carryout antenna. Please take time to read the manual before unpacking your antenna.

For Winegard Warranty Information:

Attn: Technical Services
Winegard Company
3111 Kirkwood St.
Burlington, IA 52601
800-788-4417
Fax: 319-758-5854

Disclaimer:

Although every effort has been made to insure the information in this manual is correct and complete, no company shall be held liable for any errors or omissions in this manual. All information contained in this manual is subject to change without notice. No warranty of any kind is made with regard to the information included in this manual.

Trademarks:

Winegard and Carryout are trademarks of Winegard Company. DISH Network is a registered trademark of EchoStar Communications Corp. DIRECTV is a registered trademark of Hughes Electronics Corp. All trademarks contained in this manual are property of their respective owners. Reference made to products or services provided by companies, other than Winegard Company, does not represent any endorsement of those products or services.

Warnings:

For stationary use only, the Carryout antenna will not function while in-motion.

While the Carryout antenna is designed with Winegard's focus on quality and durability in mind, it is still an electronic device and care should be taken when transporting and setting up the Carryout.
DO NOT toss or drop your Carryout antenna!

Parts included:

- Carryout Base Unit
- Dome
- 50' Power cable
- 50' Coax cable
- Handle

Getting Started:

The Carryout antenna comes set from the factory for DIRECTV standard programming. To set the antenna for any other programming provider, you will need to remove the dome and set the switches according to the appropriate diagram below. Otherwise, proceed to installing the Carryout handle.

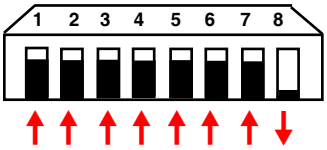
Carryout Notice!

This model is PRESET for DIRECTV receivers.

If you have a DISH Network or BELL TV receiver, you must change the numbered switches (see figures below).

FACTORY PRESET DIRECTV SWITCH SETTINGS

DIRECTV



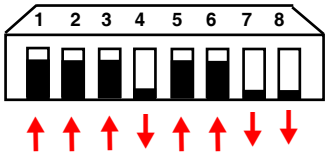
KEY

0 = UP

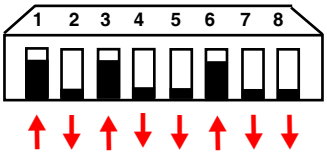
1 = DOWN

TO CHANGE SWITCH SETTINGS FOR DISH NETWORK. SIMPLY MOVE #4 & #7 TO DOWN POSITION (#8 SHOULD REMAIN DOWN ALSO).

DISH NETWORK



BELL TV



Installing the dome:

Place the Carryout Dome over the unit so that the Carryout decal on the Dome is directly above the connections on the base of the unit. Line up the holes in the dome with the inserts in the Carryout base. Insert all of the dome screws except the two nearest to the cable connections on the base. Do not tighten the screws at this time.

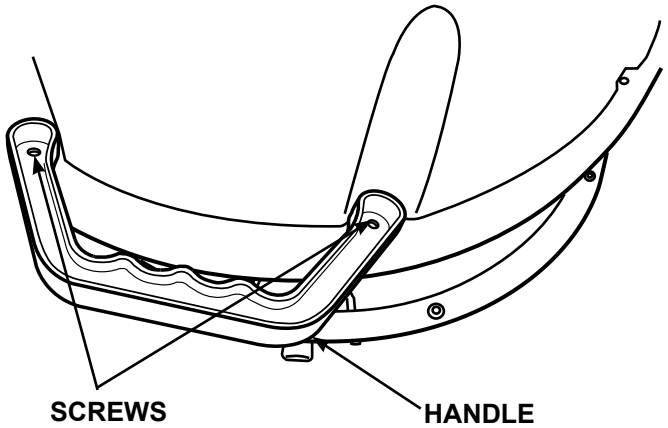
Install the Carryout handle:

Using the two holes nearest these cable connections, install the Carryout handle. Installing the handle here will help protect the cable connections from accidental damage.

If using DIRECTV, simply remove the two screws nearest the Coax and Power connectors on the base and use these screws to install the handle.

Tighten all of the dome screws using a Phillips screwdriver.

FIGURE 1



Setting up the Carryout

Location selection:

Note: The Carryout antenna must be placed on a surface that is + or - 5 degrees of level.

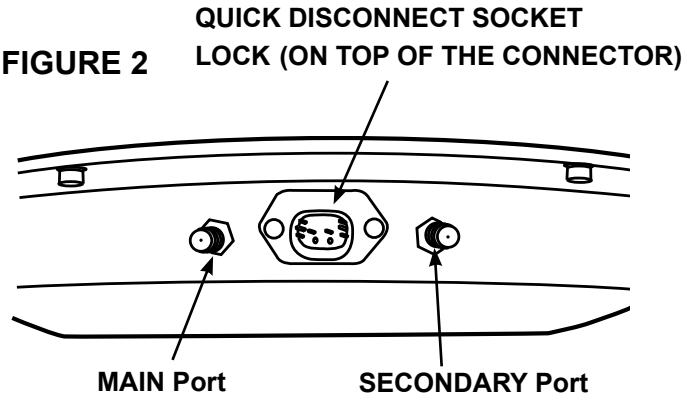
When selecting a location for the Carryout antenna, try to find a location that is fairly level and has a clear view of the southern sky. It is important to make sure that the location provides a stable enough surface to keep the Carryout from falling over during use.

Other things to consider when choosing a location for the Carryout are traffic patterns and the weather.

Placing the Carryout near a walking path may cause people to trip over the cables or knock the Carryout off of the signal.

NOTE: The Carryout antenna comes with 50' of cable. Keep this in mind when selecting a location.

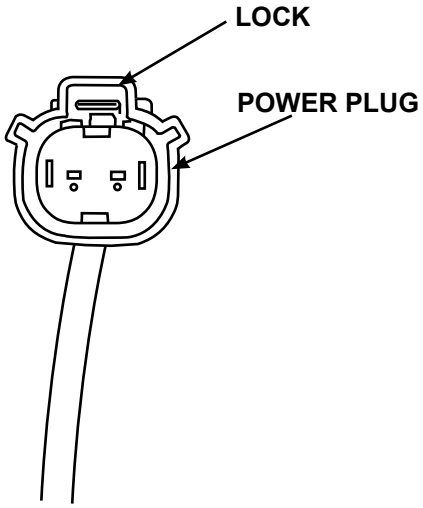
FIGURE 2



Connect Power:

Plug the Power Cord into the quick disconnect socket in the Carryout base. Make sure that the lock 'clicks' when you plug the cord in. This will ensure a good connection. See Figures 2 and 3.

FIGURE 3



Connect Coax to the Main connection on the base of the antenna. Do not use a wrench to tighten the cable. The coax provided uses weather proof connectors which can be damaged if over tightened.

Connecting the cables:

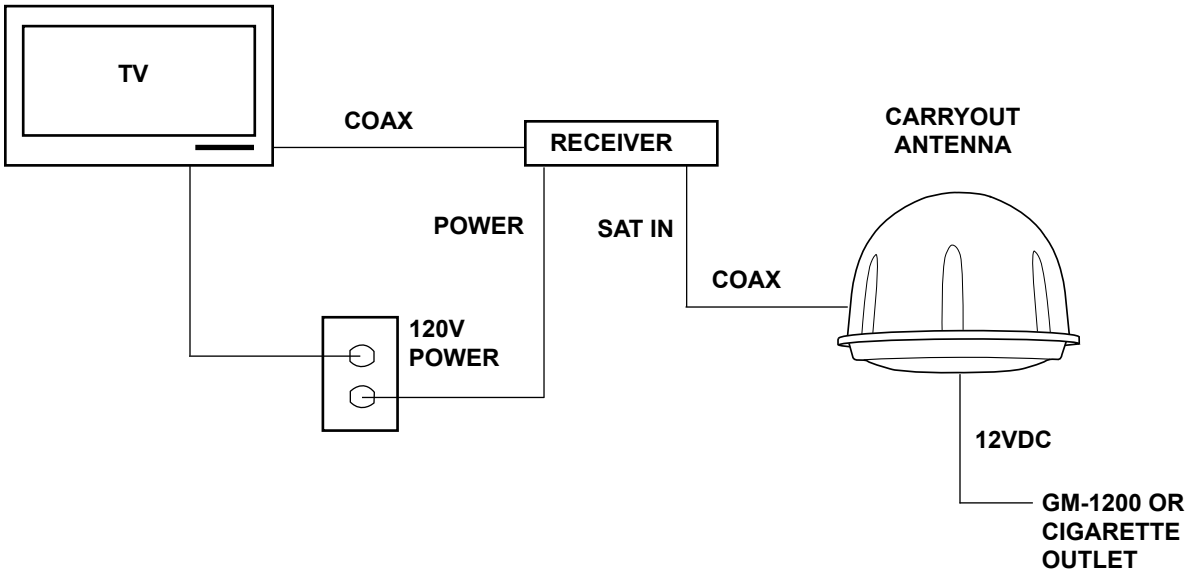
Note: If the receiver is used for DIRECTV HD programming at home, be sure that the B-Band converter has been removed prior to connecting the Carryout Antenna.

The Carryout comes with two coax ports set in the base. **The MAIN port will control the Toggle function (discussed on pg. 6) and should always be connected when the Carryout is in use.** This cable should run to the "Sat In" port on the back of the receiver that you will watch most often.

Once the Carryout antenna is connected to your receiver, you can plug it into a 12V Cigarette plug outlet in your vehicle or a 120V to 12VDC converter with a cigarette style outlet.

Note: When connecting the Carryout antenna Winegard recommends using a 120V to 12VDC power converter or 12VDC power source that meets power supply specifications listed on pg. 7.

Basic Carryout Antenna Wiring



Operating your Carryout Antenna

1. Turn on receiver and television set. **The Carryout antenna must be connected to a receiver that is plugged into 120 VAC.**

2. Verify that you are getting any of the receiver's menu screens on the television. These screens are available with or without the dish finding the signal.

3. Connect the power for the Carryout antenna. The dish will detect if it is already on a satellite signal. If it detects a signal, the dish will move to check it's alternate satellite and then move back to the original satellite signal that is on.

4. If no signal was detected, the dish will begin its search to locate the primary satellite. Once the dish locates a signal, it will pause long enough to identify which satellite it has located. This may or may not be visible on your receiver's point dish screen.

Note: During the Carryout antenna's normal search process, you may hear a slight grinding sound as the unit checks its limits. This is normal and does not harm the unit.

5. After the unit has verified that it has the correct satellite, it will move to check the alternate satellite and move back to the primary satellite to complete the search routine.

6. Once the unit stops moving for more than one minute, it should be locked on the signal. Your receiver may need a moment or two to download new programming before veiwing is possible.

7. If you do not have signal, see *Troubleshooting*, p.8.

NOTE: Because the Carryout antenna uses information from the last location that it was on a signal, satellite acquisition may take longer if the dish is inactive over long distance traveling.

DIRECTV must be set to the "two" satellite, oval dish setting. In some cases, the two satellite option may not be available, when this happens, use the three satellite option. Refer to your receiver manual for more information.

DISH Network receivers must have the check switch set to "SW64". See page 6.

To toggle between satellites when subscribing to multi-satellite programming—

The Carryout antenna will toggle between the primary or alternate satellites for either DISH Network, BELL TV or DIRECTV. All have programming on more than one satellite. When a channel is selected on the remote control and it is not on the satellite currently selected, the unit will automatically toggle to the correct satellite.

DIRECTV programming

1. DIRECTV receivers must be set for oval dish 2 sat selection to enable toggling between primary 101°W satellite and alternate 119°W satellite only. (Consult receiver manual for procedure.) After receiver is set for the correct dish selection, when you request a channel located on a different satellite, the unit will automatically toggle to that satellite.

NOTE: In some cases, the Two satellite option may not be available, in these cases, select three satellite oval.

DISH Network programming (DISH 1000)

DISH Network receivers must have the "SW64" switch installed in order to toggle between the primary 119° satellite and the alternate satellites. (Consult your receiver manual for the procedure to reach the "check switch" menu.)

NOTE: This "SW64 Switch" is a DISH Network receiver setting, NOT a physical part.

To install the "SW64" switch:

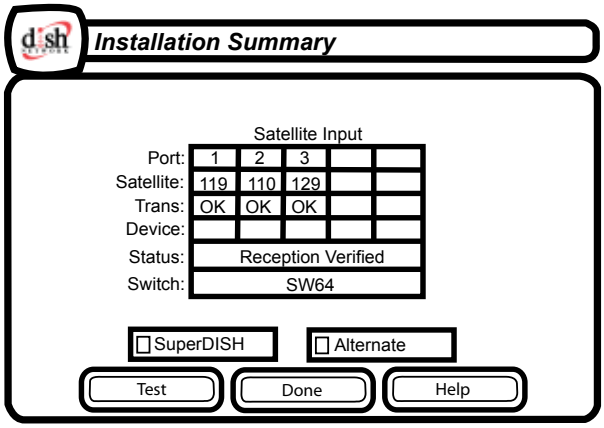
1. Before turning on your Carryout antenna, make sure that your satellite receiver and television are turned on and your receiver is on the "point dish" menu. (Consult your receiver manual to reach this menu.)

2. Turn on the Carryout system and wait for signal acquisition on satellite 119°.

3. Wait for unit to stay on the 119° for 30 seconds without moving off of the signal.

4. You now have six minutes to complete Check Switch test. Consult your receiver manual for instructions on running the test. Be sure that Superdish and Alternate are unchecked if applicable. Onscreen options may vary by receiver.

5. During the Check Switch Test, the receiver will begin checking the switch by toggling between satellites. When this is completed, SW64 will appear on the screen. It will be below the satellite designations showing odd and even transponders. See illustration below.



Check Switch screen display

NOTE: Be sure the "Superdish" and "Alternate" boxes are NOT checked.

If a switch other than SW64 appears, or you have an X in one of the boxes below the satellites, repeat Check Switch Steps.

6. Your system is now set up to toggle between satellites. It will automatically move to the correct satellite when a channel is selected with your remote control.

NOTE: Once these steps are completed, you won't have to perform this test again on this receiver, unless Check Switch was performed on another satellite dish, such as a home dish.

Toggle: Your Winegard automatic satellite dish will move from the primary to the alternate satellites in order to receive multi-satellite programming.

DIRECTV HDTV: The Carryout Antenna is not compatible with DIRECTV'S HD Satellites, including 99°, 103° and 110°.

Finished using the Carryout antenna?

To Prepare the Carryout antenna for travel or storage:

1. Unplug the Carryout antenna at the cigarette plug.
2. Unplug your satellite receiver(s).
3. Disconnect the coax cable for any receivers connected to the antenna.
4. Disconnect any coax cable connected to the Carryout base.
5. Coil the cables to make storage easier.
6. Unplug the quick disconnect power from the base of the antenna.
7. Coil the Power cable for easy storage.

Note : The Carryout antenna is designed to be maintenance free. However, it is a good idea to clean the dome from time to time with a soft cloth, water and dish soap.

Warning : Painting the Carryout dome voids the warranty, degrades signal strength and may cause damage to the Carryout antenna.

Alternate Power Supply Specifications:

Typical DC Voltage range 13 -15 VDC

DC Voltage tolerance 2 – 5% over from 0% to 100% of rated load

Typical Min. Current Range 5-6 amps

Ripple and Noise Max. 100mV p-p

AC Input Voltage Range 100 – 120VAC

Frequency 50-60 Hz

Operating Temp. 0C to 50C

Integrated Cigarette Receptacle

Connecting the Carryout to the Cable TV entry port on your RV:

Generally, the port on the side of an RV is designed for Cable TV and the cable from this port runs through the wall plate for the over-the-air antenna or through a video distribution system.

Satellite signals will not pass through these circuits. The only thing that can be between the Carryout antenna and the satellite receiver is coax. Therefore it is important to make sure that the cable from the external port by-passes everything and runs directly to the satellite receiver.

For more information go to http://www.winegard.com/kbase/upload/carryout_wiring.pdf

Troubleshooting

PROBLEM	SOLUTION
The Carryout antenna does not attempt to find a satellite or it never moves.	1. Check +12 V wires at unit to verify the quick disconnect is locked into the socket. 2. Make sure the Carryout antenna is plugged in.
The dish never stops on any of the signals that it sees.	1. Make sure that your receiver is set up correctly. For DISH NETWORK, the check switch should read either "**Unknown**" or "**SW64**". For DIRECTV, the receiver should be set for a **Two Satellite Oval Dish. In some cases, the 'Two satellite' option may not be available. In these cases, select Three satellite oval.** **2. Make sure the Main coax cable from antenna is run to "satellite in" on back of your receiver and all coax fittings are made properly.**
With DIRECTV, the dish will find the alternate satellite but it never finds the primary satellite.	Make sure that the Switches on the Electronics Control Box are set for DIRECTV. See page 3. These switches are found under the dome, inside the Electronics Control Box.
I am not getting all the DISH Network channels I subscribed to.	Go to the check switch menu in receiver. Make sure that it's set for SW64 and lists both even and odd transponders on satellites 110°, 119° and 129°.
The Carryout antenna never sees any signals, it just keeps searching.	1. Rain, snow or excessive dew on the dome can interrupt the signal. Snow and dew can be brushed off the dome. If heavy rain or snowfall is blocking the signal, it may be necessary to wait until the weather clears. 2. Check to see if the southern sky is clear. Trees, buildings, large signs or an overpass can block the signal. Find an area where you can be sure that this is not the problem and try again. 3. Run a single, good coax cable directly from the Carryout to the satellite receiver. By-passing everything. 4. Make sure the receiver has power and the satellite dish is connected to the "Sat In" jack.
I have switched satellite service providers. How do I set my dish for my new provider?	You will need to remove the dome, and set switches to correct provider. See page 3.
My receiver appears to be locked up. I cannot get any response from it.	1. Power off receiver and turn back on. 2. Hold in power button on receiver for three seconds and release. 3. Unplug receiver from outlet for 20 seconds and plug back in.
With DISH Network, my Carryout antenna appears to lock onto signal, but my receiver does not show a picture or a signal reading.	Check the "Check Switch" installed in your receiver. If anything other than "Unknown" or "SW64" is installed, please run the "Check Switch" test. See page 6 for help running this check.
The DIRECTV receiver shows a signal but the Carryout antenna never stops searching.	Exit the receiver menu screens and try running the search from the program guide screen.

Appendix A Satellite Coverage Maps and Receiver Compatibility

A.1 **DISH NETWORK** PROGRAMMING

The Carryout antenna will operate with most DISH Network receivers.

Winegard does not recommend using receivers with hard drives not recommended by the manufacturer for mobile applications. Winegard recommends using a standard DISH Network receiver.

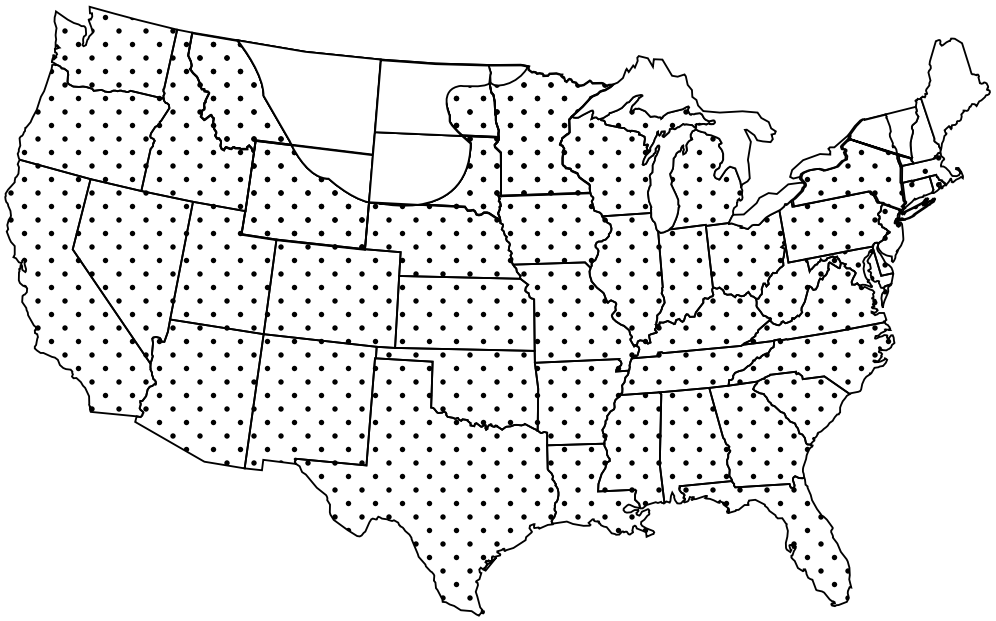
The antenna will locate and toggle between satellites 129°, 119° and 110°.

The Carryout antenna will not operate in areas where satellite 129°, 119° and 110°are not available.

Refer to **Fig A.1.1** for an operational coverage map for satellite 119° and 110°. Satellite coverage maps are based on level, stationary operation.

Reception interruption may also occur during adverse weather conditions.

Fig A.1.1 DISH Network satellites 119° and 110° coverage area (Dotted area indicates coverage).*

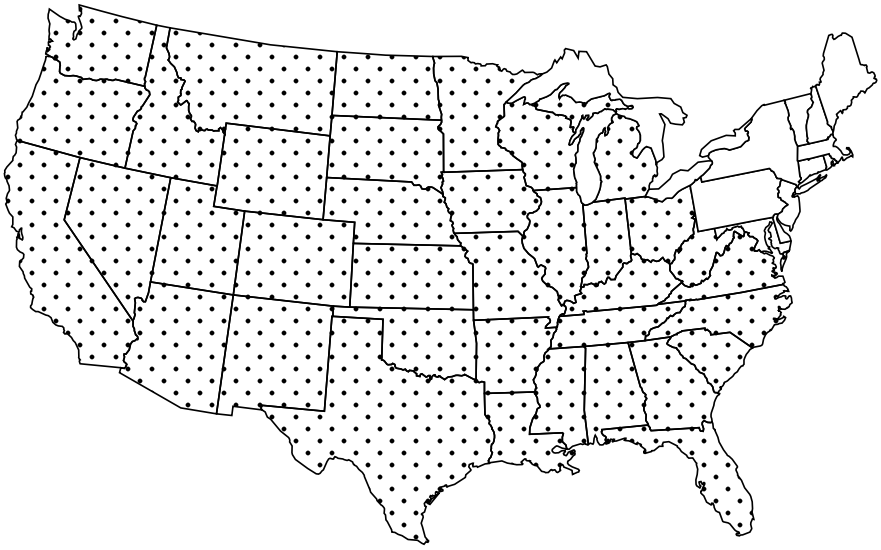


***Coverage maps are for reference only and do not guarantee coverage.**

Note: There are certain areas within the U.S. where the Carryout antenna may experience limited or no coverage of the 129° satellite for HD programming. DISH Network home coverage has the same limitations. Problem areas include: Washington, Oregon and California (limited coverage may extend past these areas). Contact DISH Network for any additional coverage questions (888.825.2557).

Hybrid Mode is for use with DISH Network while in the North East where the 129° satellite is not available. The Map below shows the coverage area for the 129° satellite.

Fig A.1.2 DISH Network satellite 129° coverage area (Dotted area indicates coverage).*



***Coverage maps are for reference only and do not guarantee coverage.**

DISH NETWORK HYBRID

Hybrid Mode settings are for use in areas where the standard DISH Network settings fail to provide HD programming.

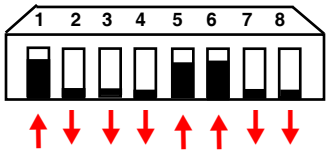
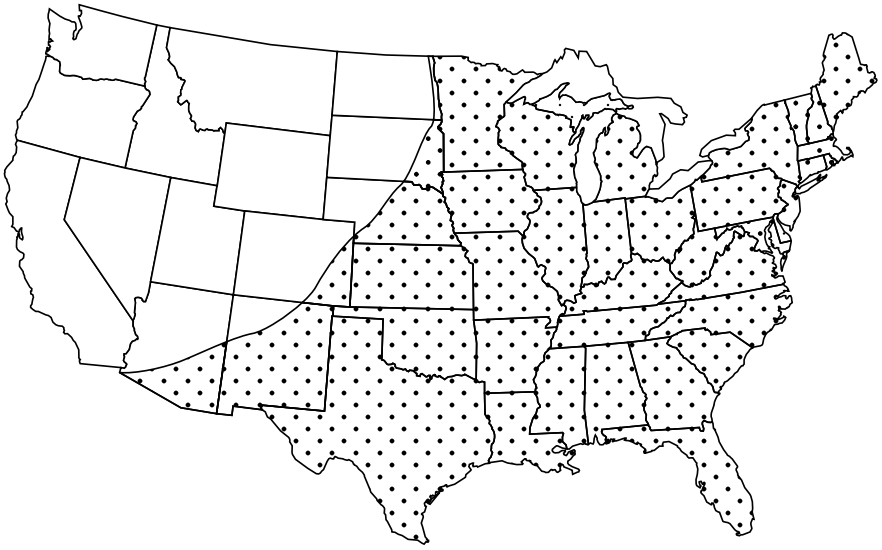


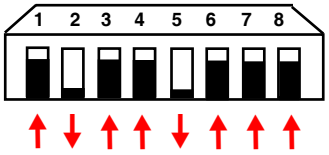
Fig A.1.3 DISH Network satellite 61.5° coverage area (Dotted area indicates coverage).*



***Coverage maps are for reference only and do not guarantee coverage.**

DISH NETWORK EASTERN ARC

If neither DISH Network Standard Mode or DISH Network Hybrid Mode will provide an HD signal, consult the maps above. If you are in the **61.5°** coverage area, use DISH Network Eastern Arc.



DISH NETWORK 72° SATELLITE USES THE ODD TRANSPONDERS ONLY. A CHECK SWITCH WILL FAIL TO SEE ANY EVEN TRANSPONDERS. THIS IS NORMAL.

A.2 **DIRECTV** PROGRAMMING

The Carryout antenna will operate with most DIRECTV receivers. The antenna will locate and continually track satellites 101° and 119°.

Winegard does not recommend using receivers with hard drives not recommended by the manufacturer for mobile applications. Winegard recommends using a standard DIRECTV receiver.

Carryout antenna will not operate in all areas where satellites 101° and 119° are available. Refer to **Fig A.2.1** for an operational coverage map of satellite 101° and to **Fig A.2.2** for an operational coverage map of 119°. Satellite coverage maps are based on level, stationary operation.

Reception interruption may also occur during adverse weather conditions.

Fig A.2.1 DIRECTV satellite 101° Carryout coverage map (Dotted area indicates coverage).*

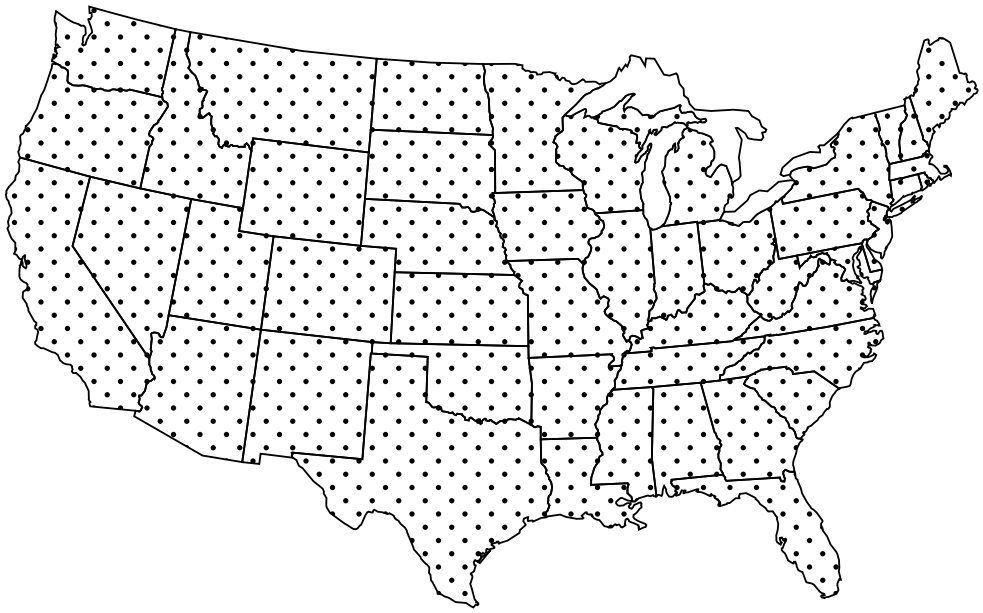
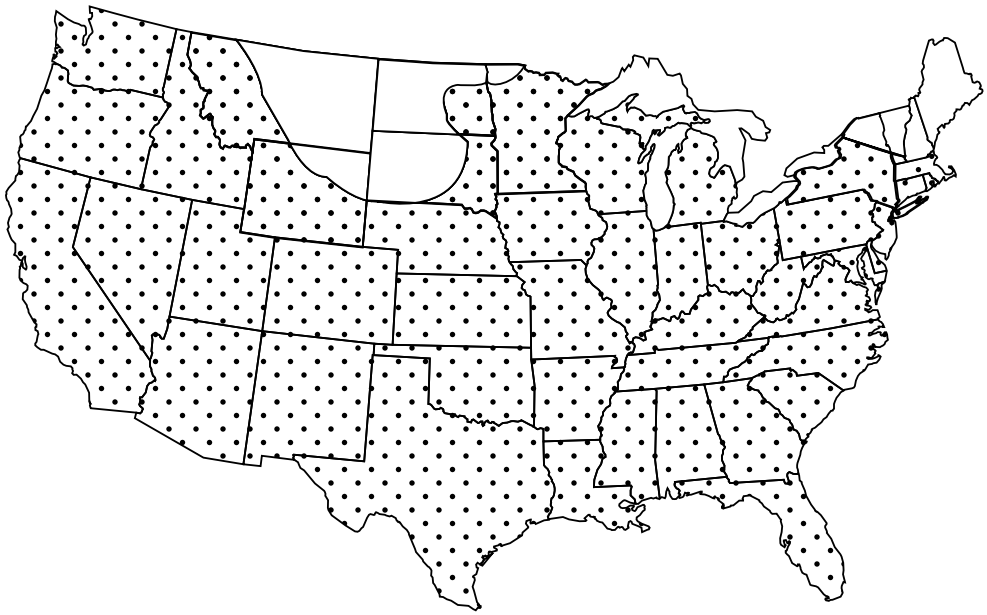


Fig A.2.2 DIRECTV satellite 119° Carryout coverage map (Dotted area indicates coverage).*



***Coverage maps are for reference only and do not guarantee coverage.**

Specifications & Warranty

Features and specifications

- No On/Off Buttons to push.
- No user input required.
- Supports up to 2 single or 1 dual receiver.
- Depending on receiver type and location, you can access satellites

  DISH Network 129°, 119°, 110° or 61.5°

  DIRECTV 119° or 101°

  BELL TV 91° or 82°
- Depending on programming, can access DISH NETWORK's East Coast local feeds.
- Powder coated aluminum base.
- Elevation range 20° to 92°; azimuth +360° (0-692°).
- UV protected plastic dome.
- Compact size —
  20" diameter, 15.6" height
  Shipping size - 25" x 22 3/4" x 16 1/2"
  Unit weight - 13.5 lbs.
  Shipping weight - 20 lbs.
- Operating temperature -13°F to +140°F
- Specifications for max amperage 5.0A
- Specifications for unit operating voltage. -10.5 - 13.8V
- Specifications for supply voltage. 12 - 13.8V

Rev. 4/09

WINEGARD MOBILE PRODUCTS LIMITED WARRANTY
(2 YEARS PARTS; 1 YEAR LABOR)

Winegard Company warrants this product against defects in materials or workmanship for a period of two (2) years from the date of original purchase. During year one (1) of such warranty, Winegard Company will also pay authorized labor costs to an authorized Winegard dealer to repair or replace defective products. No warranty claim will be honored unless at the time the claim is made, Customer presents proof of purchase to an authorized Winegard dealer (to locate the nearest authorized Winegard dealer, contact Winegard Company, 3000 Kirkwood Street, Burlington, Iowa 52601, Telephone 800-288-8094 or visit www.winegard.com). Customer must provide proof of purchase with a dated sales receipt for the Winegard product to verify the product is under warranty. If the date of purchase cannot be verified, the warranty period shall be considered to begin thirty (30) days after the date of manufacture.

If a defect in material or workmanship is discovered, Customer may take the product to an authorized Winegard dealer for service. Customer must provide proof of purchase to verify the product is under warranty. If the product is brought to an authorized Winegard dealer for service prior to expiration of year one (1) of the warranty period and a defect in material or workmanship is verified by Winegard Technical Services, Winegard Company will cover the Winegard dealer's labor charges for warranty service. The Winegard dealer must contact Winegard Technical Services in advance for pre-approval of the service. Approval of the service is at the sole discretion of Winegard Company.

Alternatively, Customer may ship the product prepaid to Winegard Technical Services (located at 3111 Kirkwood Street, Burlington, Iowa 52601, Telephone 800-788-4417). Customer must return the product along with a brief description of the problem and provide Winegard Technical Services with Customer's name, address, and phone number. Customer must also provide proof of purchase to verify the product is under warranty. If the product is returned before the expiration of the warranty period, Winegard Company will (at its option) either repair or replace the product.

This Limited Warranty does not apply if the product has been damaged, deteriorates, malfunctions or fails from: improper installation, misuse, abuse, neglect, accident, tampering, modification of the product as originally manufactured by Winegard in any manner whatsoever, removing or defacing any serial number, usage not in accordance with product instructions or acts of nature such as damage caused by wind, lightning, ice or corrosive environments such as salt spray and acid rain.

RETURN AUTHORIZATION POLICY

A Return Material Authorization (RMA) is required prior to returning any product to Winegard Company or Winegard Warranty Services under this warranty policy. Please call our Technical Services Department at 800-788-4417 or send an e-mail to warranty@winegard.com to obtain the RMA number. Please furnish the date of purchase when requesting an RMA number. Enclose the product in a prepaid package and write the RMA number in large, clear letters on the outside of the package. To avoid confusion or misunderstanding, a shipment(s) without an RMA number(s) or an unauthorized return(s) will be refused and returned to Customer freight collect.

WINEGARD COMPANY DOES NOT ASSUME ANY LIABILITIES FOR ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, MADE BY ANY OTHER PERSON.

ALL OTHER WARRANTIES WHETHER EXPRESS, IMPLIED OR STATUTORY INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY ARE LIMITED TO THE TWO YEAR PERIOD OF THIS WARRANTY.

In states that do not allow limitations on implied warranties, or the exclusion of limitation of incidental or consequential damages, the above limitations or exclusions do not apply.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion of limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty gives Customer specific legal rights. Customer may also have other rights that may vary from state to state.

SATELLITE RECEIVER WARRANTY:
See manufacturer's limited warranty policy.

Rev. 2/08

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